

Product Datasheet

PPP3CA Antibody / Calcineurin (orb639860)

Catalog Number	orb639860
Category	Antibodies
Description	Calcineurin is an enzyme that dephosphorylates serine and threonine residues in proteins. It is a heterodimer of a 59kDa catalytic A subunit and a 19kDa regulatory B subunit that is activated by the binding of calcium ions and calmodulin. Calcineurin is expressed in many tissues, but its levels are highest in the brain, where it may play a role in learning and memory. It has many substrates, including NFAT, a transcription factor that is activated by dephosphorylation. Complexes of the immuno-suppressants cyclosporine and FK506 with immunophilin proteins such as cyclophilin and FKBP12 are potent and specific inhibitors of Calcineurin activity. Alterations in Calcineurin activity are suspected to play a role in cardiac hypertrophy and graft versus host disease in organ transplantation.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Purification	Protein G affinity chromatography
Immunogen	A recombinant full-length Calcineurin A protein was used as the immunogen for the PPP3CA antibody.
UniProt ID	Q08209
Tested applications	WB

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Dilution range	Western blot: 1-2ug/ml
Application notes	Optimal dilution of the PPP3CA antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	BF1.1
Formula	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only

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